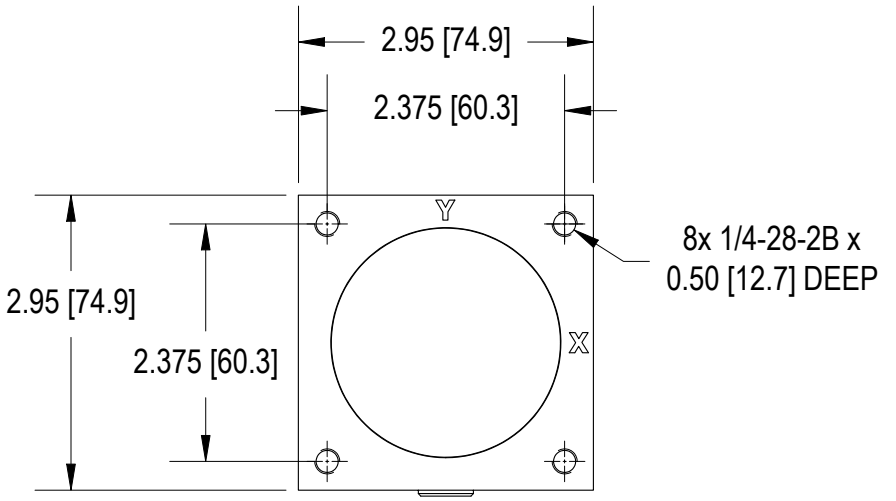
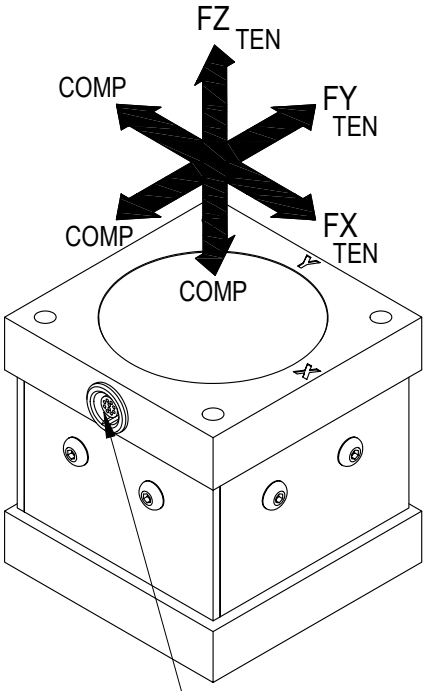
FUTEK MODEL MTA400

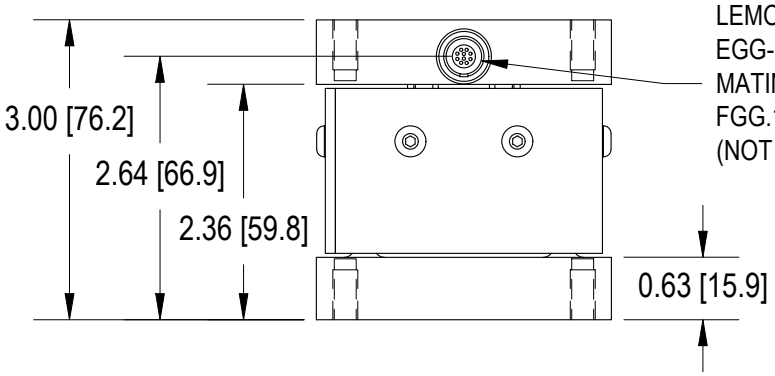
TRI AXIAL SENSOR

Drawing Number: FI1009

INCH [mm] | R.O.= Rated Output







LEMO RECEPTACLE
EGG-1B-310-CLL
MATING CONNECTOR
FGG.1B.310.CLAD52
(NOT INCLUDED)

PIN #	CODE	CHANNEL
1	+E	FX, FY, FZ
2	-E	FX, FY, FZ
3	+S	FX
4	-S	FX
5	+S	FY
6	-S	FY
7	+S	FZ
8	-S	FZ

TEN=TENSION (+OUTPUT)
COMP=COMPRESSION (-OUTPUT)

SPECIFICATIONS:

RATED OUTPUT (FX, FY)	*1.5 mV/V nom.*
RATED OUTPUT (FZ)	*0.75 mV/V nom.*
CAPACITY (FX, FY)	*250 lb*
CAPACITY (FZ)	*500 lb*
SAFE OVERLOAD	*150% of R.O.*
ZERO BALANCE	*±3% of R.O.*
EXCITATION (VDC OR VAC)	*18 MAX*
BRIDGE RESISTANCE	*700 Ω nom*
NONLINEARITY	*±0.25% of R.O.*
HYSTERESIS	*±0.25% of R.O.*
NONREPEATABILITY	*±0.1% of R.O.*
TEMP. SHIFT ZERO	*±0.01% of R.O./°F (0.018% of R.O./°C)*
TEMP. SHIFT SPAN	*±0.01% of LOAD/°F (0.018% of LOAD/°C)*
COMPENSATED TEMP.	*60 to 160°F (15 to 72°C)*
OPERATING TEMP.	*-60 to 200°F (-50 to 93°C)*
WEIGHT	*2 lb (907 g)*
MATERIAL	*Anodized Aluminum*

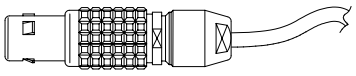
CONNECTOR: 10 PIN LEMO RECEPTACLE EGG.1B.310.CLL

ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION (STD)	*5 pt. COMPRESSION; 150KΩ SHUNT CAL. VALUE*
CALIBRATION (OPTIONAL)	*5 pt. TENSION*
CALIBRATION TEST EXCITATION	*10 VDC*

CABLE ACCESSORIES

STK# FSH01848 10 PIN LEMO MATING W/ 10 FT POLY CABLE



COLOR	PIN #	CODE	CH
RED	1	+EXCITATION	Fx, Fy, Fz
BLACK	2	-EXCITATION	Fx, Fy, Fz
GREEN	3	+SIGNAL	Fx
WHITE	4	-SIGNAL	
BLUE	5	+SIGNAL	Fy
YELLOW	6	-SIGNAL	
VIOLET	7	+SIGNAL	Fz
ORANGE	8	-SIGNAL	

FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

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CAGE CODE # 1X8M6

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